

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------|---------|------------------|
| L3 | 260 | (frequency formant spectral spectra spectrum) near8 (modify\$4 modification modulat\$4 swap\$4 switch\$4) near8 (watermark\$4 copyright\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/30 10:49 |
| L4 | | l3 and (audible audibility hearing psychoacoustic mask\$3) near7 (level threshold limit curve) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/30 10:49 |
| L5 | 2 | "5581653".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/30 10:32 |
| L6 | 29 | (frequency formant spectral spectra spectrum) near8 (invert\$4 inversion) near8 (watermark\$4 copyright\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/30 10:50 |
| L7 | 3062 | (704/200 704/200.1 704/201 704/500 704/501 380/255 380/38).ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/30 10:53 |
| L8 | 0 | ((KONDO near3 TETSUJIRO) (FUKUSHI near3 GAKUHO) (HATTORI near3 MASAAKI) (ANDO near3 KAZUTAKA) (KIMURA near3 HIROTO)).pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/30 10:55 |
| L9 | 2731 | ((KONDO near3 TETSUJIRO) (FUKUSHI near3 GAKUHO) (HATTORI near3 MASAAKI) (ANDO near3 KAZUTAKA) (KIMURA near3 HIROTO)).in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR . | ON | 2007/01/30 10:56 |



| L10 | 92 | I9 and (watermark\$3 copyright\$3) and (audio speech voice) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; | OR | ON | 2007/01/30 10:57 |
|------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------|------|------------------|
| L11 | | I10 and (switch\$3) near5 (spectra spectral spectrum frequency) | IBM_TDB US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/30 10:57 |
| S1 | 0 | 09/980549 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR . | ON | 2007/01/29 09:46 |
| S2 | 1 | (spectrum spectra spectal frequency) near8 (below under less) near8 (level threshold minimum lower) near7 (encod\$5 embed\$4 record\$4) near6 (text additional extra side) same (audio speech voice music sound) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 09:50 |
| S3 | 2134 | (spectrum spectra spectal frequency) near8 (below under less) near8 (level threshold minimum lower) same (speech voice audio music) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 09:51 |
| S5 · | 14489 | (spectra spectrum spectral) near6 (switch\$4 scrambl\$4 mix\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 10:43 |
| S6 | 79 | S3 and S5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON . | 2007/01/29 10:42 |



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| S7 | 2129 | (minimum threshold level) near7 (audible hearing percept\$4) and ((encod\$4 cod\$3 decod\$4) near6 (audio speech voice music)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 12:28 |
| S8 · | 263057 | (spectra spectrum spectral coefficient lsp lpc feature formant frequency) near6 (switch\$4 scrambl\$4 mix\$3 swap\$3 trad\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 10:51 |
| S9 | 554 | S7 and S8 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 10:53 |
| S10 | 130 | S9 and "704"/\$.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR ** | ON | 2007/01/29 10:50 |
| S11 | 808 | (spectra spectrum spectral coefficient lsp lpc feature formant frequency) near6 (switch\$4 scrambl\$4 mix\$3 swap\$3 trad\$3) near8 (flag tag ((additional extra side supplemental text) near7 (data information))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR [*] | ON | 2007/01/29 11:00 |
| S12 | 14 | S7 and S11 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 10:59 |
| S13 | 4 | "10162501" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 10:59 |



| S14 . | 483 | (spectra spectrum spectral coefficient lsp lpc feature formant frequency) near6 (switch\$4 scrambl\$4 mix\$3 swap\$3 trad\$3 superimpos\$4) near10 ((additional extra side supplemental text) near7 (data information)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 12:22 |
|-------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----|----|------------------|
| S15 | . 10 | (minimum threshold level) near7 (audible hearing percept\$4) and S14 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 12:27 |
| S16 | 1 | 10/617347 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 11:20 |
| S17 | 34 · | (spectra spectrum spectral lsp lpc formant) near6 (shift\$4) near10 ((additional extra side supplemental text) near7 (data information)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 12:26 |
| S18 | 31213 | (spectra spectrum spectral lsp lpc formant) near6 (shift\$4 switch\$4 swap\$3 trad\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 13:42 |
| S19 | 242 | (minimum threshold level curve) near7 (audible hearing percept\$4) and S18 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 12:27 |
| S20 | 98 | S19 and ((encod\$4 cod\$3 decod\$4) near6 (audio speech voice music)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 12:28 |



| S21 | 91 | (spectra spectrum spectral lsp lpc formant) near7 (shift\$4 switch\$4 swap\$3 trad\$3) near9 (watermark\$3 copyright\$3 signature) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 13:56 |
|-----|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----|----|------------------|
| S22 | 9 | (spectra spectrum spectral lsp lpc formant) near7 (shift\$4 switch\$4 swap\$3 trad\$3) near9 (watermark\$3 copyright\$3 signature) same (audio speech voice music sound) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 14:02 |
| S23 | 21 | (spectra spectrum spectral lsp lpc formant) near7 (shift\$4 switch\$4 swap\$3 trad\$3) near9 (watermark\$3 copyright\$3 signature) and (audio speech voice music sound) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 14:02 |
| S24 | 25 | (spectra spectrum spectral lsp lpc formant) near7 (shift\$4 switch\$4 swap\$3 trad\$3) near9 (watermark\$3 copyright\$3 signature text\$3) and (audio speech voice music sound) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 14:13 |
| S25 | 17 | (spectra spectrum spectral lsp lpc formant) near7 (shift\$4 switch\$4 swap\$3 trad\$3) same (minimum threshold level curve) near7 (audible hearing percept\$4 psychoacoustic) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 15:57 |
| S26 | 91 | (spectra spectrum spectral lsp lpc formant) near7 (below under less lower) near7 (threshold minimum min level) near8 (switch\$4 swap\$4 trad\$4 shift\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 18:54 |
| S27 | 18 | S26 and (speech audio voice music) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 16:00 |



| S28 | 5 | (frequency) near7 (parameter coefficient) near8 (below under less lower) near7 (threshold minimum min level) near8 (switch\$4 swap\$4 trad\$4 shift\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/01/29 16:07 |
|-----|---|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----|------|------------------|
| S29 | 1 | (frequency formant amplitude) near8 (swap\$4) near7 (addtional extra ancillary side) near7 (data information) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON . | 2007/01/30 09:53 |